

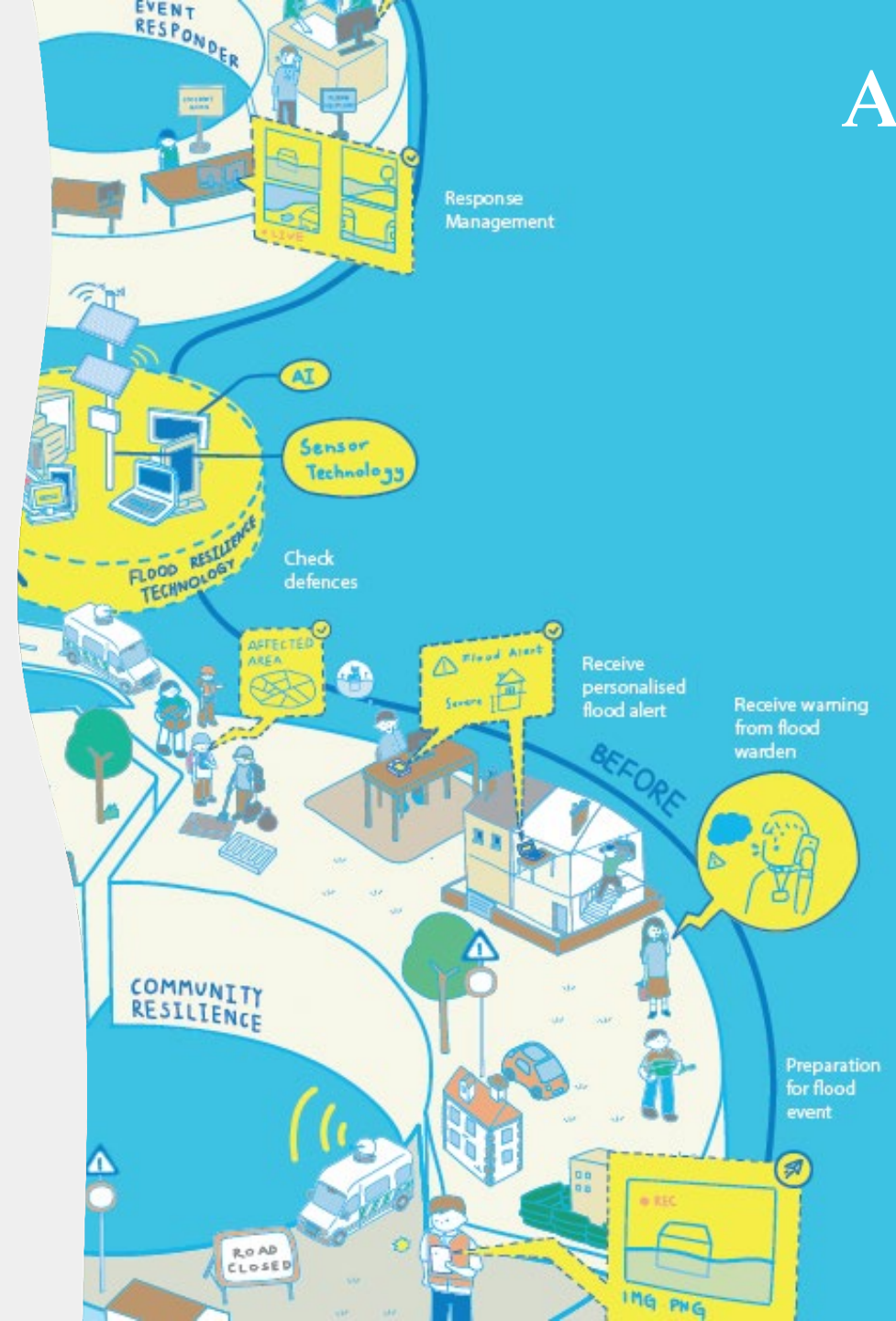
G-Cloud 14 Geographic Information System (GIS) Services

**G-Cloud 14
Service definition document**

Our firm

Arup is a global collective of designers, consultants and experts dedicated to sustainable development, and to using imagination, technology and rigour to shape a better world

ARUP



Our aims

The aims and principles laid out by Sir Ove Arup in his Key Speech, continue to underpin our firm today

-  Social usefulness
-  Total architecture
-  Humane organisation
-  Straight and honourable dealings
-  Quality of work
-  Reasonable prosperity

Who we are

We combine digital expertise with market knowledge to advise on the role of digital and data in the built and natural environment

We deliver services and solutions that solve complex challenges for our clients



Our strategy

We work with clients, partner and practitioners who share our commitment to create a sustainable future for everyone

ARUP



Our partnerships

From climate change to city resilience, our long-term collaborations help us to tackle some of the world's toughest problems



Some of our clients



Our G-Cloud 14 services

Digital service design and development

Discovery phase

Alpha phase

Beta phase

Digital Asset Information Management

Digital Strategy and Architecture

Built Environment Data Advisory

Digital Transformation

Digital Energy

Digital Water

Digital Transport

Experience Design

Digital for Sustainability

Digital Twins

Digital Planning

Co-Design

GIS (Geographic Information System)

GIS (Geographic Information System) Cloud and Consultancy Services

GIS Cloud and Consultancy Services

Introduction

Arup provides comprehensive vendor-neutral geospatial solutions for both the built and natural environment, including ESRI, FME, PostGres, GeoServer, Leaflet and QGIS. Arup's global reputation for offering GIS Cloud Enterprise solutions was highlighted by winning the ESRI 2023 Special Achievement in GIS.

Arup's services encompass GIS strategy and planning, needs assessment, system architecture and design, data model and database design, implementation, system integration, automation, application development, and data conversion/migration.

Arup uses ESRI's ArcGIS platform, specifically ESRI Enterprise and ArcGIS Online, for web GIS mapping applications. Standard practice involves deploying web GIS with ArcGIS Enterprise's ready-made solutions to adhere to project needs and industry standards. These solutions include Web Applications, Experience Builder, StoryMaps, Sites, Dashboards, and 3D Web Scenes.



Features

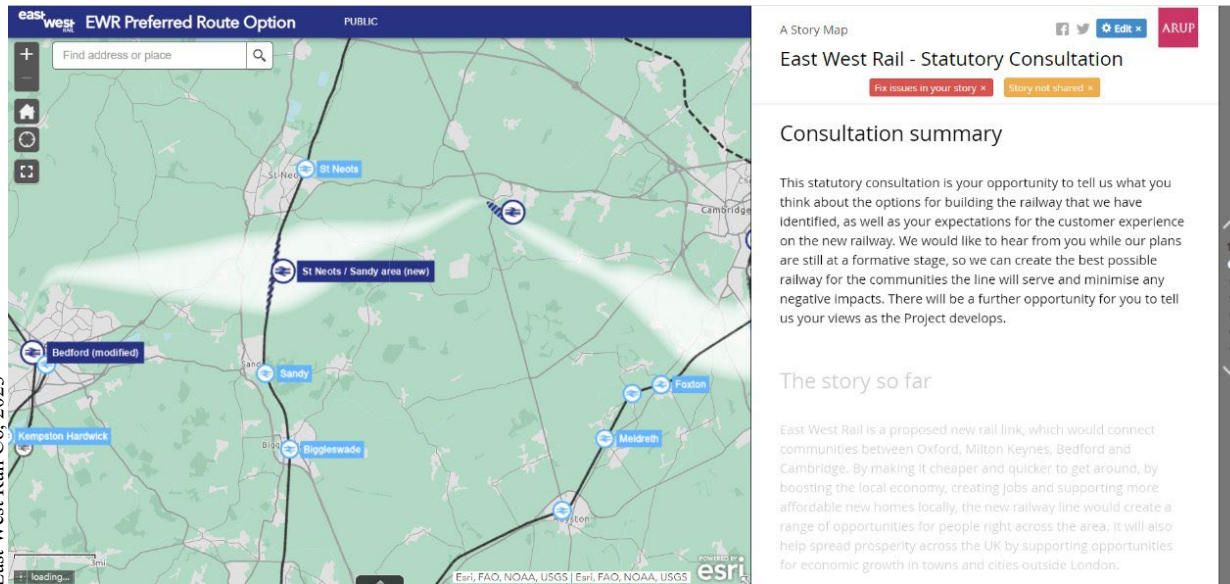
Features

- Easy collaboration and sharing of data, maps and applications
- ESRI ArcGIS Enterprise or ArcGIS Online
- Web applications, Experience Builder, StoryMaps, Dashboards and 3D Web Scenes
- Multi cloud option: Azure, AWS, Google
- Multi region compute and storage ensuring data residency requirements adhered too
- Extensive experience with Ordnance Survey PSMA data
- Responsive multi-device applications
- Specialists in deployment, migration, support and development
- Offers GIS data capture, manipulation, analytics, reporting and quality assurance
- Experienced data lifecycle, project end-to-end
- Specialist Tool creation for the project

Benefits

Benefits

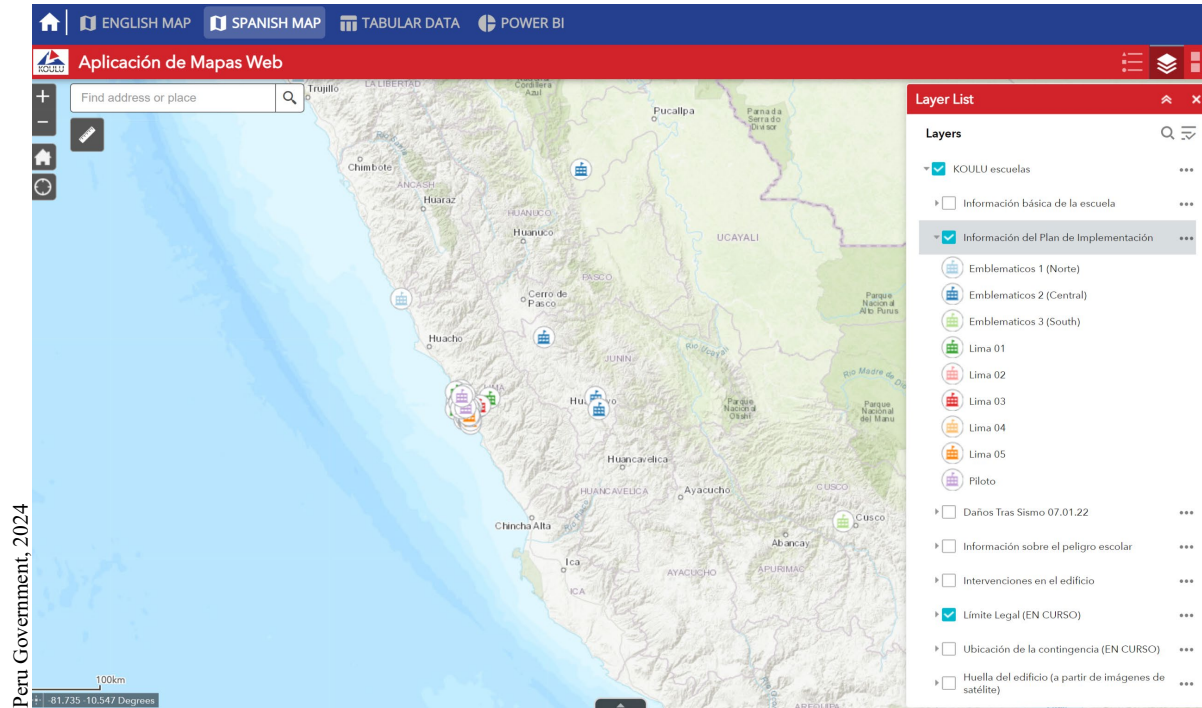
- Collaboration: allows users to share and collaborate on geospatial data
- Best-in-class geospatial services to industry standard
- Highly scalable cloud file storage through managed databases
- Experience in developing GIS data governance, single source of truth
- Decision-making based on up-to-date information, evidence and traceability
- ESRI Premium support contract
- Secure, role-based access control for single user, encryption, and authentication mechanisms
- Arup has 20+ years of experience in providing ArcGIS support and development
- Global network of GIS Consultants
- Over 500 ESRI ArcGIS projects delivered globally in the last five years to over 14,000 users
- Powerful automation techniques to ensure a resilient platform
- Silver member of the Esri Partner Program



East West Rail, East West Railway Co Ltd

GIS as a service for preferred route Development Consent Order (DCO)

The Arup Geospatial Team worked in coordination with a multi-disciplinary engineering, environmental and planning team in partnership with East West Rail (EWR) as the Engineering Partner, Arup provided support across the route from Oxford to Cambridge. Arup led option shifting in preparation for the statutory consultation, where all options were completed to RIBA stage 2 across the routes.



Peru Government, 2024

Peru Reconstruction, Peruvian Government

ESRI Enterprise GIS platform to support project delivery

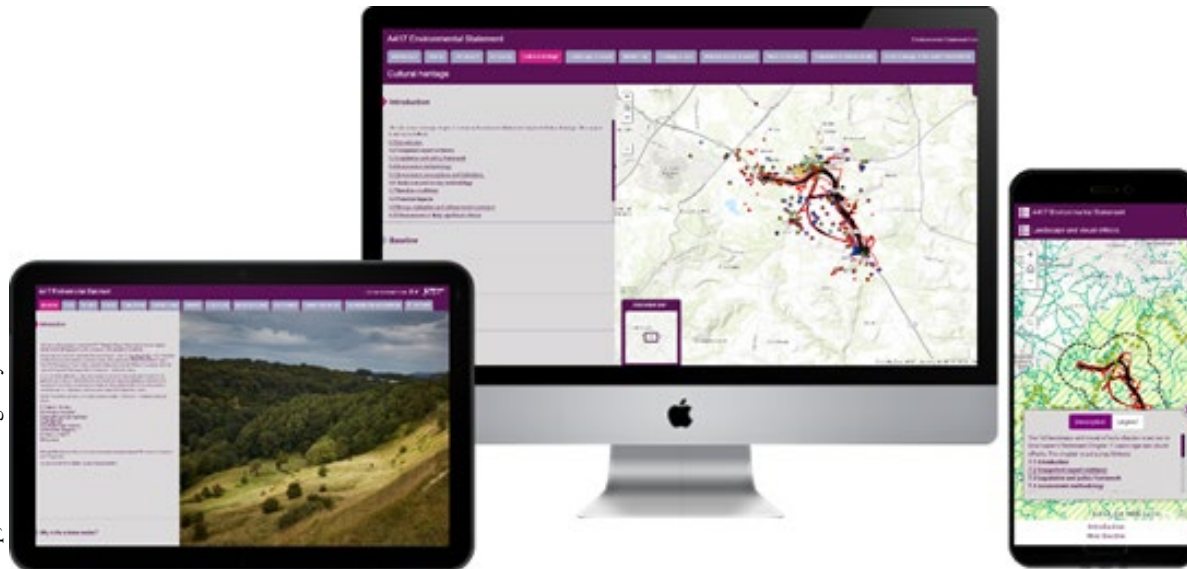
Arup provided an ESRI Enterprise GIS platform to support the delivery of this government-to-government project. The platform gives our clients, contractors and partners, who are globally distributed, access spatial data in a single common data environment. Making data accessible in this way has brought it to the heart of the decision-making processes and enabled our multidisciplinary teams to collaborate more freely. We developed a wide range of web GIS solutions to support these processes.

A417 Digital Environmental Statement, National Highways

Digital GIS interactive Environmental Statement

Arup provided a publicly accessible digital Environmental Statement to legal requirements. It summarises more than 9000 pages in an interactive and dynamic location for a user to view this information in its entirety showcasing 200 photographs. It allows to query the data presented in the DCO and create any figure they wish whilst viewing their specific area of interest. It gives insight to the number of users engaging with the scheme as well as which chapters are gaining the most interest.

A417 Digital Environmental Statement| UK
2019-2024



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